	Type	Hits	Search Text	DBs	Time Stamp	Commer
1	BRS	6806	mandelic	USPAT; US-PGPUB; EP	2001/09/14 18:2	
2	BRS	16270	glycolic	USPAT; US-PGPUB; EP	2001/09/14 14:3	
3	BRS	240069	phenol	USPAT; US-PGPUB; EP	2001/09/14 14:3	
4	BRS	733	mandelic and glycolic and phenol	USPAT; US-PGPUB; EP	2001/09/14 14:3	
5	BRS	45298	oxalic	USPAT; US-PGPUB; EP	2001/09/14 14:3	
6	BRS	32082	polycarboxylic	USPAT; US-PGPUB; EP	2001/09/14 14:3	
7	BRS	73730	oxalic or polycarboxylic	USPAT; US-PGPUB; EP	2001/09/14 14:3	
8	BRS	419	562/470	USPAT; US-PGPUB; EP	2001/09/14 14:3	
9	BRS	834	((mandelic and glycolic and phenol)	USPAT; US-PGPUB; EP	2001/09/14 14:3	
10	BRS	2	((mandelic and glycolic and phenol)	USPAT; US-PGPUB; EP	2001/09/14 15:0	
11	BRS	56	(oxalic or polycarboxylic) and 562/4	USPAT; US-PGPUB; EP	2001/09/14 15:4	
12	BRS	0	((mandelic and glycolic and phenol)	USPAT; US-PGPUB; EP	2001/09/14 15:4	
13	BRS	417	(mandelic and glycolic and phenol) a	USPAT; US-PGPUB; EP	2001/09/14 15:5	
14	BRS	12	"2062205"	USPAT; US-PGPUB; EP	2001/09/14 16:0	
15	BRS	6	"4337355"	USPAT; US-PGPUB; EP	2001/09/14 16:0	
16	BRS	5	"4339602"	USPAT; US-PGPUB; EP	2001/09/14 16:0	

```
=> d his

     (FILE 'HOME' ENTERED AT 16:19:10 ON 14 SEP 2001)

     FILE 'CASREACT' ENTERED AT 16:19:18 ON 14 SEP 2001
L1                STRUCTURE UPLOADED
L2              0 S L1
L3              0 S L1 FULL

     FILE 'REGISTRY' ENTERED AT 16:21:18 ON 14 SEP 2001
L4                STRUCTURE UPLOADED
L5              6 S L4
L6                STRUCTURE UPLOADED
L7              5 S L6
L8                STRUCTURE UPLOADED
L9              3 S L8
L10            16 S L8 FULL

     FILE 'CAPLUS' ENTERED AT 16:31:05 ON 14 SEP 2001
L11            10 S L10/PREP

     FILE 'BEILSTEIN' ENTERED AT 16:32:07 ON 14 SEP 2001
L12             0 S L8
L13            13 S L8 FULL

     FILE 'BEILSTEIN' ENTERED AT 16:50:58 ON 14 SEP 2001
L14            12 S 90-64-2
L15             1 S 2365374/BRN

=> d l8
L8 HAS NO ANSWERS
L8                STR
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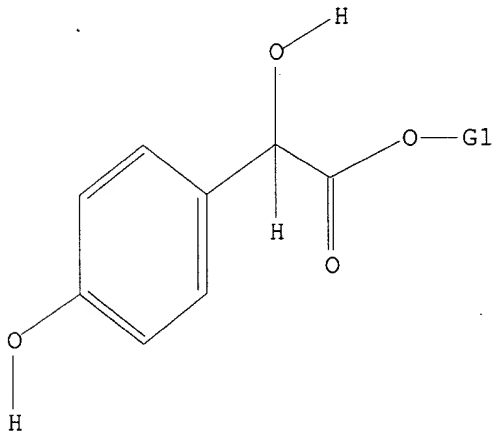
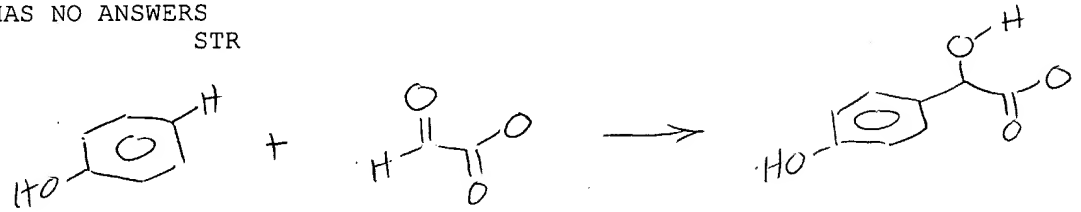


G1 H,Me,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu

Structure attributes must be viewed using STN Express query preparation.

```
=> d l1
L1 HAS NO ANSWERS
L1                STR
```



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=> d his

     (FILE 'HOME' ENTERED AT 05:31:29 ON 15 SEP 2001)

     FILE 'CASREACT' ENTERED AT 05:31:36 ON 15 SEP 2001
L1                STRUCTURE UPLOADED
L2             29 S L1
L3                STRUCTURE UPLOADED
L4              0 S L3
L5             56 S L3 FULL

     FILE 'CAPLUS' ENTERED AT 05:52:35 ON 15 SEP 2001
L6              1 S WO9965853/PN
L7              1 S EP578550/PN
L8              1 S JP06184029/PN

     FILE 'REGISTRY' ENTERED AT 05:58:13 ON 15 SEP 2001
                E INULOOLIGOSACCHARIDES/CN

     FILE 'CAPLUS' ENTERED AT 05:58:13 ON 15 SEP 2001
                E INULOOLIGOSACCHARIDES
L9            220 S D HIS
L10         53545 S DICARBOXYLIC OR POLYCARBOXYLIC
L11             0 S L10/CAT
L12          6384 S L10 AND CATALYS?
L13             0 S L12/RCT
L14             0 S L10/RCT
                S 88-99-3/REG#

     FILE 'REGISTRY' ENTERED AT 06:21:08 ON 15 SEP 2001
L15             1 S 88-99-3/RN

     FILE 'CAPLUS' ENTERED AT 06:21:09 ON 15 SEP 2001
L16          6570 S L15
L17           119 S L15/CAT
L18            17 S L17 AND PHENOL?
                S 124-04-9/REG#

     FILE 'REGISTRY' ENTERED AT 06:29:16 ON 15 SEP 2001
L19             1 S 124-04-9/RN

     FILE 'CAPLUS' ENTERED AT 06:29:16 ON 15 SEP 2001
L20          8862 S L19
L21           171 S L19/CAT
L22            24 S L17 AND L21

=> d l3
L3 HAS NO ANSWERS
L3                STR
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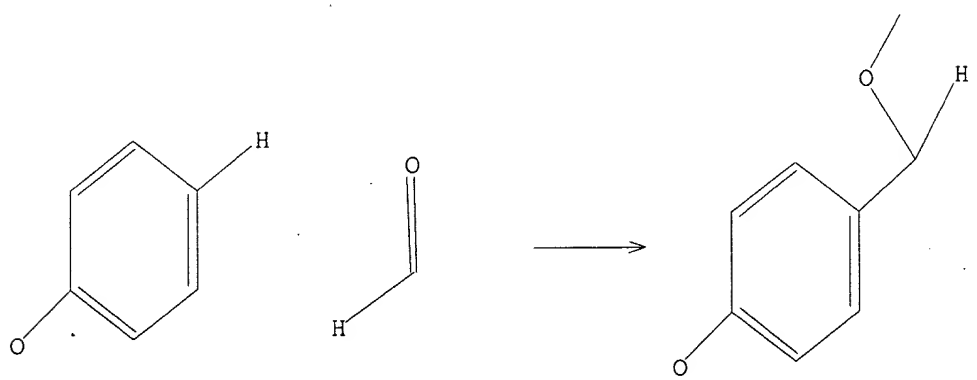


```
=> s 2365374/brn
L15          1 2365374/BRN

=> d fpre


L15  ANSWER 1 OF 1 COPYRIGHT 2001 BEILSTEIN CDS MDLI

Preparation:
PRE
     Start:  BRN=2639925 4-oxy-phenylglyoxylic acid
     Reag:   sodium amalgam, water
     Reference(s):
     1. Fromherz, Hoppe-Seyler's Z.Physiol.Chem., 70 <1910/11>, 356, CODEN:
        HSZPAZ
     2. Ellinger; Kotake, Hoppe-Seyler's Z.Physiol.Chem., 65 <1910>, 409,
        CODEN: HSZPAZ
     Note(s):
     3. Handbook Data
     4. inactive form
PRE
     Start:  BRN=3170370 4..alpha.-dibenzoyloxy-phenylacetic acid amide
     Reag:   NaOH-solution
     Reference(s):
     1. Aloy; Rabaut, Bull.Soc.Chim.Fr., <4> 11 <1912>, 392, CODEN: BSCFAS
     Note(s):
     2. Handbook Data
     3. inactive form
PRE
     Start:  BRN=471352 4-oxy-benzaldehyde
     Detail: durch Ueberfuehrung in das Cyanhydrin und Verseifung
     Reference(s):
     1. Henry, Chem.News J.Ind.Sci., 85 <1902>, 301, CODEN: CHNWAY
     Note(s):
     2. Handbook Data
PRE
     Start:  dhurrinic acid
     Reag:   diluted hydrochloric acid
     Reference(s):
     1. Henry, Chem.News J.Ind.Sci., 85 <1902>, 301, CODEN: CHNWAY
     Note(s):
     2. Handbook Data
PRE
     Start:  BRN=3131465 4-hydroxy-DL-mandelic acid-methyl ester
     Reag:   aqueous NaOH
     Reference(s):
     1. Pratesi et al., Farmaco Ed.Sci., 10 <1955> 563, 568, CODEN: FRPSAX
     Note(s):
     2. Handbook Data
PRE
     Start:  BRN=3132065 4-hydroxy-DL-mandelic acid-ethyl ester
     Reag:   aq. NaOH solution
     Reference(s):
     1. Ladenburg; Folkers; Major, J.Amer.Chem.Soc., 58 <1936> 1292, CODEN:
        JACSAT
     Note(s):
     2. Handbook Data
PRE
     Start:  BRN=1879369 diacetoxyiodanyl-benzene, BRN=2087538
             <4-hydroxy-phenyl>-acetic acid methyl ester
     Reag:   KOH
     Yield:  30.00 %
     Solv:   benzene, H2O
```

Reference(s):
1. Moriarty, Robert M.; Hu, Henry, Tetrahedron Lett., 22 <1981> 29, 2747-2750, LA: EN, CODEN: TELEAY

PRE
Start: BRN=741891 oxoacetic acid, BRN=969616 phenol
Time: 60 min
Temp: 65.0 Cel
Catal.: 36percent aq. HCl
Reference(s):
1. Ohashi, Takehisa; Takahashi, Satomi; Nagamachi, Tomoaki; Yoneda, Kohji; Yamada, Hideaki, Agric.Biol.Chem., 45 <1981> 4, 831-838, LA: EN, CODEN: ABCHA6
Note(s):
2. Yield: 11.4 percent Chromat.

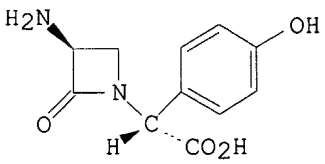
PRE
Start: BRN=969616 phenol, BRN=741891 oxoacetic acid
Reag: ZnO
Time: 3 hour(s)
Yield: 77.00 %
Solv: H2O
Temp: 70.0 Cel
ByProd: BRN=2367089 2-hydroxy-mandelic acid \15 percent
Reference(s):
1. Hoefnagel, A. J.; Peters, J. A.; Bekkum, H. van, Recl.Trav.Chim.Pays-Bas, 115 <1996> 7-8, 353-356, LA: EN, CODEN: RTCPA3

```
=> s l10/prep
          26 L10
     2777922 PREP/RL
L11       10 L10/PREP
             (L10 (L) PREP/RL)

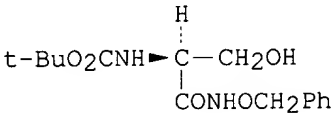
=> d 1-10 fbib abs
```

L11 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2001 ACS
AN 1997:539735 CAPLUS
DN 127:231512
TI Competitive enzyme immunoassay for urinary vanillylmandelic acid
AU Taran, Frederic; Bernard, Herve; Valleix, Alain; Creminon, Christophe; Grassi, Jacques; Olichon, Didier; Deverre, Jean-Robert; Pradelles, Philippe
CS CEA, Service des Molecules Marquees DBCM, CEA-Saclay, Gif sur Yvette, 91191, Fr.
SO Clin. Chim. Acta (1997), 264(2), 177-192
CODEN: CCATAR; ISSN: 0009-8981
PB Elsevier
DT Journal
LA English
AB An enzyme immunoassay for urinary vanillylmandelic acid (VMA) using polyclonal antiserum and VMA-acetylcholinesterase conjugate as enzymic tracer is described. Two different strategies for immunogen prepn. were developed and enantioselectivity was demonstrated. The selected EIA allowed direct measurement of urinary VMA using D(-)-VMA as std. with good sensitivity (MDC = 0.1 .mu.mol/L) and precision (CV <7% in 0.2-2.25 .mu.mol/L range). Cross-reactivity with homovanillic acid (HVA) was 0.8% and <0.4% with other structurally related catecholamine metabolites. Intra- and inter-assay repeatabilities were <10%, and recovery was 97.3% .+-. 3%. Good correlation was obtained for EIA and HPLC anal. with normal and pathol. human urine samples (EIA = 0.895 HPLC-7.085, r2 = 0.98).

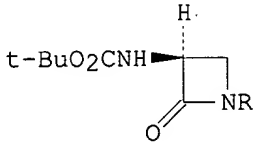
L11 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2001 ACS
AN 1981:192018 CAPLUS
DN 94:192018
TI Synthesis of 2-azetidinones from serinehydroxamates: approaches to the synthesis of 3-aminonocardicinic acid
AU Mattingly, Phillip G.; Miller, Marvin J.
CS Dep. Chem., Univ. Notre Dame, Notre Dame, IN, 46556, USA
SO J. Org. Chem. (1981), 46(8), 1557-64
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English
GI



I



II



III

AB Protected forms of 3-aminonocardicinic acid (3-ANA, I) were prepd. efficiently from L-serine. Thus, cyclizing the serine-derived O-benzyl hydroxamate II with PPh3-CCl4-Et3N gave azetidinone III (R = OCH2Ph) whose redn. gave III (R = H). Although conventional methods were unsatisfactory for N-alkylation of III (R = H), both phase-transfer-catalyzed alkylation and Rh acetate-catalyzed carbenoid insertion gave I derivs. in good yield. Other alkylation methods and deprotection of I derivs. are also described.